



Prof. (Dr.) Atanu Bhattacharjee
Professor & Dy. Controller of Examinations
Royal School of Pharmacy
The Assam Royal Global University
Guwahati

Experience: 13 years (academics and research)
Email ID: abhattacharjee@rgu.ac, atanu1983@gmail.com
Mobile: +91-8073612051

Academic Qualification (Undergraduate Onwards)

S. No	Degree	Year	Department	University/Institution	% of marks
1	Ph.D	2015	Pharmaceutical Sciences	Nitte University, Mangalore, India.	Awarded
2	M. Pharmacy	2009	Pharmaceutics	J.S.S College of Pharmacy, Ooty/The Tamil Nadu Dr. M G R Medical University	87
3	B. Pharmacy	2006	Pharmacy	Rajiv Gandhi University of Health Sciences, Bangalore, Karnataka, India	72

1. Work experience (in chronological order).

S.No.	Positions held	Name of the Institute	From	To
1	Assistant Professor- Grade-I	Dept. of Pharmacognosy, NGSM Institute of Pharmaceutical Sciences, Nitte University, Mangalore	21.10.2010	15.12.2015
2	Assistant Professor- Grade-III	Dept. of Pharmacognosy, NGSM Institute of Pharmaceutical Sciences, Nitte University, Mangalore	16.12.2015	30.06.2017

3	Associate Professor	Faculty of Pharmaceutical Science, Assam down town University, Guwahati, Assam	21.08.2017	30.10.2020
4.	Associate Professor	Royal School of Pharmacy, The Assam Royal Global University, Guwahati, Assam	02.11.2020	07.03.2022
5	Professor	Royal School of Pharmacy, The Assam Royal Global University, Guwahati, Assam	08.03.2022	till date
6	Dy. Controller of Examinations	Royal School of Pharmacy, The Assam Royal Global University, Guwahati, Assam	01.12.2022	till date

Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

S.No	Name of Award	Awarding Agency	Year
1	Life time Member	Association of Pharmaceutical Teachers of India	2018
2	Life time Member	Indian Pharmaceutical Association	2009
3	Senior Research Fellowship (SRF)	Central Council of Research in Ayurvedic Sciences (CCRAS), New Delhi, India	2009
4	YOUNG SCIENTIST AWARD-2021	VDGOOD Professional Association	2021

Research paper/Review article Publication:

1. Kunal B, Nongmaithem Randhuni C, **Bhattacharjee A**, Bhargab JS, Chanam MD, Ripunjyot B. Ultra-Performance Liquid Chromatography - An Updated Review. Research Journal of Pharmacy and Technology. 2022; 15(6): 2862-68.
2. Atanu B, Subhashis D, Pranabesh S, Kunal B. In silico screening, TLC bioautography and in vivo studies of Zanthoxylum armatum DC (Indian Prickly Ash) extract as a potential neuroprotective agent. South African Journal of Botany. 2022; 150: 997-1010.
3. **Bhattacharjee A**, Kunal B, Nongmaithem Randhuni C. COVID-19 Pandemic: A Pragmatic plan for Therapeutic Intervention. Research Journal of Pharmacy and Technology. 2022; 15(6): 2862-68.

4. Kunal B, Ripunjoy B, Nongmaithem RC, Ramen K, Bhargab JS, Atanu B. In silico discovery of 3 novel quercetin derivatives against papain-like protease, spike protein, and 3C-like protease of SARS-CoV-2. *Journal of Genetic Engineering and Biotechnology* . 2022 20(43): 1-20.
5. **Bhattacharjee A**, Biplab KD, Nongmaithem Randhuni C, Kunal B. Phytochemical screening and anthelmintic activity of *Atrocarpus altilis* extract. *Research Journal of Pharmacy and Technology*. 2021; 14(2): 640-44.
6. **Bhattacharjee A**, Biplab KD. Antiamnesic potential of *Coccinia indica* (Linn.) Extract: a mechanism based study. *International Journal of Pharmacology, Phytochemistry and Ethnomedicine*. 2020; 15 (1): 1-10.
7. **Bhattacharjee A**, Biplab KD, Das B, Dkhar D, Kachari D. *Zanthoxylum armatum*: A Systemic Review of its Ethno- Medicinal Properties, Phytochemistry, Pharmacology and Toxicology. *Advances in Pharmacology and Clinical Trials*. 2019; 4(3): 1-11.
8. Melakyrkhu N, Samiran C, Banyashree D, Bapi RS, Biplab KD, **Atanu B**. Preliminary phytochemical analysis of selected medicinal plants of north eastern region of India. *International Journal of Pharmaceutical Research and Bio-Science*. 2018; 7(4): 88-97.
9. Nisha S, Audrey S, Phaibiang L, Arunav B, Bapi RS, **Atanu B**, Biplab KD. Evaluation of Pharmacognostical parameters and Preliminary Phytochemical Screening of leave of the plant *Myrica esculenta*. *International Journal of Research in Pharmacy and Pharmaceutical Sciences*. 2018; 3(4): 7-12.
10. **Atanu B**, Dey BK. Phytomelatonin: a comprehensive literature review and recent advance on medicinal meadow. *International Journal of Hydrology*. 2018; 2(3): 396–403.

- 11. Atanu B.** Anticholinesterase potential of phytoextracts and their bioactive compounds: a promising therapeutic agent against Alzheimer's disorder. *MOJ Tumor Research*. 2018; 1(2): 84-88.
- 12. Atanu B,** Shastry CS, Santanu S. Nootropic activity of *Crataeva nurvala* Buch-Ham against scopolamine induced cognitive impairment. *Excli Journal*. 2015; 14:335-45.
- 13. Atanu B,** Shastry CS, Santanu S. Neuroprotective activity of *Crataeva nurvala* Buch-Ham stem bark against scopolamine-induced cognitive impairment via antioxidative activities in rats. *American Journal of Ethnomedicine*. 2014; 1(4): 6-12.
- 14. Atanu B,** Shastry CS, Santanu S. Isolation, purification and structural elucidation of bioactive polyphenolic compound (catechin) from *Crataeva nurvala* Buch-ham stem bark chloroform fraction. *International Journal of Pharmaceutical Research and Bio-Science*. 2014; 3(2): 86-98.
- 15. Atanu B,** Shastry CS, Santanu S. Isolation, purification and structural elucidation of N-acetyl-5-methoxytryptamine (Melatonin) from *Crataeva nurvala* Buch-Ham stem bark. *American Journal of Phytomedicine and Clinical Therapeutics*. 2014; 2(3): 301-09.
- 16. Atanu B,** Shastry CS, Santanu S. Evaluation of acute and sub-chronic oral toxicity study of ethanolic extract of *Crataeva nurvala* Buch-ham stem bark on experimental Wistar rats. *Research Journal of Pharmacognosy and Phytochemistry*. 2013; 5(6): 293-96.
- 17. Atanu B,** Shastry CS, Santanu S. Isolation, purification and structural elucidation of novel bioactive phytoconstituents from *Crataeva nurvala* Buch-ham stem bark chloroform fraction. *International Journal of Pharmaceutical Research and Bio-Science*. 2013; 2(5): 452-64.
- 18. Atanu B,** Shastry CS, Santanu S. Phytochemical and ethno-pharmacological profile of *Desmodium gangeticum* (L.) DC.: A review. *International Journal of Biomedical Research*. 2013; 4(10): 507-15.

19. Atanu B, Shastry CS, Santanu S. Preliminary phytochemical analysis of selected medicinal plants of Westernghat region of south Karnataka, India. International Journal of Advances in Pharmaceutical Research. 2013; 4(6): 1841-46.

20. Atanu B, Shastry CS, Aswathanarayana. Phytochemical and ethno-pharmacological profile of *Crataeva nurvala* Buch-Hum (Varuna): A review. Asian Pacific Journal of Tropical Biomedicine. 2012; 673-78.

21. Shastry CS, Aswathanarayana BJ, Ganesh S, Kalluraya B, Saha Santanu, **Atanu B**. Herbal radioprotector: re-emerging trend in the field of radio therapy. Journal of Pharmacy Research. 2012; 5(4): 2355-65.

22. Shainish A, Vadivelan R, **Bhattacharjee A**, Gupta Deo A, Duraiswamy B. *Benincasa hispida* reversed myelin degeneration in ethidium bromide induced rat models. Advances in Pharmacology and Toxicology. 2010; 11(1): 123-30.

Books/Reports/Chapters/General articles etc.

S.No	Title	Author's Name	Publisher	Year of Publication
Books				
1	Practical Handbook of Medicinal Chemistry.	Atanu B, Kunal B, Nongmaithem RC, Biplab KD	Amazon Kindle.	2020
2	Phytomedicine and Alzheimer's Disease. (e-book)].	Atanu B, Akula R, Obulesu M	Taylor and Francis; CRC Press. USA.	2020
Book chapter				
1	Aquasome: A promising novel drug carrier.	Subhashis D, Atanu B, Pranabesh S.	Benthum Publishers	2022
2	Effect of COVID-19 Pandemic on Mental Health: An Under-Realized Sociological Enigma;	Kunal B, Atanu B, Nongmaithem RC.	Springer, Singapore	2021.

3	Quercetin for the Experimental Treatment of COVID-19.	Kunal B, Nongmaithem RC, Atanu B, Ripunjoy B, Bhargab JS, Apurba T, Ramen K	IGI Global Publisher	2021.
4	Dietary Indoleamines: Bioavailability and Human Health.	Akula R, Atanu B	Springer	2021
5	Glutamate: Physiological Roles and Its Signaling in Plants.	Akula R, Atanu B.	Springer Nature Singapore	2021
6	Plant-Based β -Secretase (BACE-1) Inhibitors: A Mechanistic Approach to Encounter Alzheimer's Disorder.	Atanu B , Saikat S, Raja C	Springer Nature Singapore	2021
7	Medha Rasayana plants: Ayurvedic approach to Alzheimer's disease.	Atanu B , Biplab KD	Taylor and Francis; CRC Press	2020
8	Antioxidant Phytochemicals and Alzheimer's Disorder: Current Understanding and Future Scope.	Saikat S, Raja C, Atanu B	Taylor and Francis; CRC Press	2020
9	Plant Alkaloids and their derivatives relevant to Alzheimer's disease.	Atanu B , Ramakrishna A	Taylor and Francis; CRC Press	2020
10	Phytotherapeutic potential for the treatment of Alzheimer's disease.	Muhammad A, Atanu B , Naveed M, Naheed A, Fozia A, Abida P, Samreen GK, Muhammad D, Muhammad R, Fahad SK, Rumaisa A, Umme L.	Taylor and Francis; CRC Press	2020
11	β -secretase (BACE-1) inhibitors from natural product: a novel therapeutic approach to encounter Alzheimer's disorder.	Atanu B.	Taylor and Francis; CRC Press	2020
12	Phytoextracts and their secondary metabolite with anti-diabetic potential: a review focusing traditional medicinal plants of Indian subcontinent	Atanu B , Saikat S, Raja C, Kunal B, Nongmaithem RC.	Akinik Publications	2020
13	Scientific basis for Ayurvedic medicinal plants against Alzheimer's disease.	Atanu B , Saikat S, Raja C.	Springer	2019
14	Scientific basis of Ayurvedic medicine: in hunt for a cure to Alzheimer's disease.	Atanu B.	Springer	2019

15	Phytoextracts and their derivatives affecting neurotransmission relevant to Alzheimer's disease: an ethno-medicinal perspective.	Atanu B.	Taylor and Francis; CRC Press	2018
16	Overview of the Occurrence of Melatonin in Medicinal Plants with Special Reference to <i>Crataeva nurvala</i> Buch-Ham: Isolation, Purification, and Characterization.	Atanu B , Shastry CS, Santanu S.	Taylor and Francis; CRC Press	2016

Detail of patents: 01

1. Atanu B, Kunal B, Ramen K, Radhoni N, Bhargab JS, Ripunjoy B. 2022. Bioinformatics platform for identification of quercetin derivatives as immunity booster molecules against SARS COV-2. South African Patent; Application no.: 2022/00131 5,775,432, filed date: January 3, 2022, and granted date: May 25, 2022.

Detail of sponsored project:

1. Ongoing The Assam Royal Global University UG seed grant project entitled "Evaluation of the effect of Capsicum annum on cholinesterase enzyme".
2. Completed Assam down town University UG seed grant project entitled "Lead finding for acetylcholinesterase and butyrylcholinesterase inhibitors from folklore medicinal plants of North Eastern region of India" (University Research grant no.: AdtU/RG/UG/02/2018).
3. Completed Nitte University granted UG project entitled 'Extraction, fractionation and preliminary phytochemical analysis of *Coccinia grandis* (Linn.) and *Colocasia esculanta* (Linn.) from Westernghat region of south Karnataka, India". (University Research grant no.: NURG/STU/22/11-2014).
4. Completed Nitte University sponsored NU Short-term Research Grants (NUFR2 Grants) on project entitled 'Screening of anticholinesterase activity of *Benincasa hispida* Thunb.Cogn.'. (University Research grant no.: NUFR2/2016/20-04).

Speaker/ Resource Person:

1. Successfully delivered a guest lecture on "Basic Principles of Chromatography and its application in Pharmaceutical Analysis DC. fruit extract: an in-vivo study" in School of Pharmacy, Royal Global University, Guwahati on 6th December, 2019.

2. Successfully delivered a guest lecture on “Neuro-protective potential of Zanthoxylum armatum DC. fruit extract: An in-vivo study” in “Annual Congress on Pharmacology Toxicology”, USA held on 26th November, 2021 (in virtual mode).

Papers Presented:

National: **08**

International: **03**

Seminars/ Conference/ FDP/ Workshop/ Short Term Course Attended:

National: **15**

International:**05**